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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Frank Y. Xu et al.
App. No.: 10/784,911 GPAU: 1713
Filing Date: 02/23/2004 Examiner: Satya B. Sastri
Dkt. No.: PA115-57-03 Conf. No.: 6149
For: MATERIALS FOR IMPRINT LITHOGRAPHY

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- ☒ Form(s) PTO/SB/08A and/or PTO/SB/08B or PTO/1449
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to the Examiner's attention in the above-identified application. It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed:

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Signed: *Katrina Prati*

Typed Name: Katrina Prati

Date: 11/19/04

Respectfully Submitted,



Kenneth C. Brooks,
Reg. No. 38,393
Legal Department
Molecular Imprints, Inc.
P.O. Box 81536
Austin, TX 78758-1536
(512) 339-7760
(512) 491-8918 (fax)



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				Application Number	10/784,911
				Filing Date	02/23/2004
				First Named Inventor	Xu et al.
				Group Art Unit	1713
				Examiner Name	Satya B. Sastri
Sheet	1	of	20	Attorney Docket Number	PA115-57-03

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	B1	3,527,062		Bilinski et al.	09-08-1970	
	B2	3,783,520		King	01-08-1974	
	B3	3,807,027		Heisler	04-30-1974	
	B4	3,807,029		Troeger	04-30-1974	
	B5	3,811,665		Seelig	05-21-1974	
	B6	4,062,600		Wyse	12-13-1977	
	B7	4,070,116		Frosch et al.	01-24-1978	
	B8	4,098,001		Watson	07-04-1978	
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	B11	4,155,169		Drake et al.	05-22-1979	
	B12	4,201,800		Alcorn et al.	05-06-1980	
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	B14	4,267,212		Sakawaki	05-12-1981	
	B15	4,326,805		Feldman et al.	04-27-1982	
	B16	4,337,579		De Fazio	07-06-1982	
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	B19	4,426,247		Toshiakai et al.	01-17-1984	
	B20	4,440,804		Milgram	04-03-1984	
	B21	4,451,507		Beltz et al.	05-29-1994	
	B22	4,507,331		Hiraoka	03-02-1985	
	B23	4,544,572		Sandvig et al.	10-01-1985	
	B24	4,552,832		Blume et al.	11-12-1985	
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	B26	4,600,309		Fay	07-15-1986	
	B27	4,610,442		Oku et al.	09-09-1986	
	B28	4,657,845		Frechet et al.	04-04-1987	
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	B31	4,707,218		Giammarco et al.	11-17-1987	
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	B34	4,737,425		LIN et al.	04-12-1988	
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	B35	4,763,886		Takei	08-16-1988	
	B36	4,808,511		Holmes	02-28-1989	
	B37	4,826,943		Ito et al.	05-02-1989	
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	B44	4,919,748		Bredbenner et al.	04-24-1990	
	B45	4,921,778		Thackeray et al.	05-01-1990	
	B46	4,929,083		Brunner	05-29-1990	
	B47	4,931,351		McColgin et al.	06-05-1990	
	B48	4,959,252		Bonnebat et al.	09-25-1990	
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	B50	4,976,818		Hashimoto et al.	12-11-1990	
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	B69	5,204,739		Domenicali	04-20-1993	
	B70	5,206,983		Guckel et al.	05-04-1993	
	B71	5,212,147		Sheats	05-18-1993	
	B72	5,234,793		Sebald et al.	08-10-1993	
	B73	5,240,550		Boehnke et al.	08-31-1993	
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	B82	5,324,683		Fitch et al.	06-28-1994	
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	B89	5,376,810		Hoenk et al.	12-27-1994	
	B90	5,380,474		Rye et al.	01-10-1995	
	B91	5,392,123		Marcus et al.	02-21-1995	
	B92	5,417,802		Obeng	05-23-1995	
	B93	5,421,981		Leader et al.	06-06-1995	
	B94	5,422,295		Choi et al.	06-06-1995	
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	B98	5,431,777		Austin et al.	07-11-1995	
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	B101	5,453,157		Jeng	09-26-1995	
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				Examiner Name	Satya B. Sastri
Sheet	4	of	20	Attorney Docket Number	PA115-57-03

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		Number	Kind Code ² (if known)			
	B103	5,468,542		Crouch	11-21-1995	
	B104	5,480,047		Tanigawa et al.	01-02-1996	
	B105	5,512,131		Kumar et al.	04-30-1996	
	B106	5,515,167		Ledger et al.	05-07-1996	
	B107	5,523,878		Wallace et al.	06-04-1996	
	B108	5,527,662		Hashimoto et al.	06-18-1996	
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	B113	5,669,303		Maracas et al.	09-23-1997	
	B114	5,670,415		Rust	09-23-1997	
	B115	5,700,626		Lee et al.	12-23-1997	
	B116	5,723,176		Keyworth et al.	03-03-1998	
	B117	5,724,145		Kondo et al.	03-03-1998	
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	B129	5,877,036		Kawai	03-02-1999	
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	B131	5,888,650		Calhoun et al.	03-30-1999	
	B132	5,895,263		Carter et al.	04-20-1999	
	B133	5,900,160		Whitesides et al.	05-04-1999	
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	B136	5,926,690		Toprac et al.	07-20-1999	
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	B137	5,937,758		Maracas et al.	08-17-1999	
	B138	5,942,871		Lee	08-24-1999	
	B139	5,948,219		Rohner	09-07-1999	
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	B153	6,125,183		Jiawook et al.	09-26-2000	
	B154	6,128,085		Buermann et al.	10-03-2000	
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	B157	6,150,680		Eastman et al.	11-21-2000	
	B158	6,168,845		Fontana Jr. et al.	01-02-2001	
	B159	6,180,239	B1	Whitesides et al.	01-30-2001	
	B160	6,188,150	B1	Spence	02-13-2001	
	B161	6,204,922	B1	Chalmers	03-20-2001	
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	B163	6,245,581	B1	Bonser et al.	06-12-2001	
	B164	6,274,294	B1	Hines	08-14-2001	
	B165	6,309,580	B1	Chou	10-30-2001	
	B166	6,326,627	B1	Putvinski et al.	12-04-2001	
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	B172	6,391,798	B1	DeFelice et al.	05-21-2002	
	B173	6,411,010	B1	Suzuki et al.	06-25-2002	
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		Application Number	10/784,911		
		Filing Date	02/23/2004		
		First Named Inventor	Xu et al.		
		Group Art Unit	1713		
		Examiner Name	Satya B. Sastri		
		Attorney Docket Number	PA115-57-03		
Sheet	7	of	20		

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		Number	Kind Code ² (if known)			
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20

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				Group Art Unit	1713
				Examiner Name	Satya B. Sastri
				Attorney Docket Number	PA115-57-03
Sheet	10	of	20		

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				Examiner Name	Satya B. Sastri
Sheet	12	of	20	Attorney Docket Number	PA115-57-03

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				Filing Date	02/23/2004
				First Named Inventor	Xu et al.
				Group Art Unit	1713
				Examiner Name	Satya B. Sastri
Sheet	13	of	20	Attorney Docket Number	PA115-57-03

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	B317	KRAUSS et al., "Fabrication of Nanodevices Using Sub-25 nm Imprint Lithography.", Appl. Phy. Lett., January 1, 1995, 67 (21), pp. 3114-3116.	
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-	B327	MERLET, "Parallel Manipulators: State of the Art and Perspectives.", Advanced Robotics, January 1, 1994, Vol. 8, pp. 589-596.	
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				Examiner Name	Satya B. Sastri
Sheet	16	of	20	Attorney Docket Number	PA115-57-03

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	B337	PARIKH et al., "An Intrinsic Relationship between Molecular Structure in Self-Assembled n-Alkylsiloxane Monolayers and Deposition Temperature.", Journal of Phys. Chem., July 1, 1994, pp. 7577-7590.	
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	B356	SUNG et al., "Abstract of Micro/nano-tribological Characteristics of Self-Assembled Monolayer and its Application in Nano-Structure Fabrication", Elsevier Science B.V., July 1, 2003, Vol. 255, no. 7	
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✓	B359	TANIKAWA et al., "Development of Small-sized 3 DOF Finger Module in Micro Hand for Micro Manipulation.", Proc. of IEEE, March 1, 1999, Intl. conf. on Intelligent Robots and Systems, pp. 876-881.	
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?	B370	US Applications No. 10/194,991, Filed 07-11-2002, SREENIVASAN et al., "Step and Repeat Lithography Processes."	
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	B372	VANDERBILT UNIVERSITY OFFICE OF TRANSFER TECHNOLOGY; VU9730 Specifications for Improved Flexure Device; 2001, 25, 192-199.	
	B373	WANG et al., "Passive Compliance versus Active Compliance in Robot-Based Automated Assembly Systems.", Industrial Robot, January 1, 1998, Vol. 25, No. 1, pp. 48-57.	
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